4231/2032

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Liew, et. al.

Serial No.: Not Yet Assigned

Filed:

August 26, 2003

Entitled:

Beta-2 Microglobulin (B2M) and B2M Related

Gene Products for the Regulation of Osteoarthritis

Pathogenesis and Chondrocyte Proliferation



I hereby certify that the paper (and any paper or fee referred to as being enclosed) is being deposited with the United States Postal Service using Express Mail to Addressee Service, under 37 C.F.R. Section 1.10, Express Mail Label No. EL 928101145 US on this date, August 26, 2003, postage prepaid, in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Kathleen M. Williams

Name of Person Mailing Raper

Signature of Person Mailing Paper

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Enclosed for filing in the above-identified patent application, please find the following documents:

- 1. New Patent Application Transmittal;
- 2. Patent Application, (67 pages);
- 3. Six (6) sheets of informal drawings of Figs 1a 5;
- 4. Application Data Sheet;
- 5. Paper Copy of Sequence Listing;
- 6. Sequence Listing in computer readable format;
- 7. Statement Under 37 C.F.R. §1.821(f) and (g);
- 8. Check in the amount of \$711.00 for the requisite filing fee; and
- 9. Return Post Card.

Pursuant to 37 C.F.R. § 1.27, Applicant claims small entity status.

The Commissioner for Patents is hereby authorized to charge any additional fees or credit any overpayment in the total fees to Deposit Account No. 16-0085, Reference No. 4231/2032. <u>A duplicate of this transmittal letter is enclosed for this purpose</u>.

Respectfully submitted,

Date: August 26, 2003

Name: Kathleen M. Williams

Registration No.: 34,380 Customer No.: 29933 Palmer & Dodge LLP 111 Huntington Avenue

Boston, MA 02199-7613

Tel: 617-239-0100

NEW UNITED STATES UTILITY PATENT APPLICATION TRANSMITTAL

Atty. Docket No.: 4231/2032

CERTIFICATE OF MAILING UNDER 37 CFR 1.10

I hereby certify that the paper (and any paper or fee referred to as being enclosed) is being deposited with the United States Postal Service using Express Mail to Addressee Service, under 37 C.F.R. Section 1.10, Express Mail Label No. EL 928101145 US on this date, August 26, 2003, 2003, postage prepaid, in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Kathleen M. Williams

Rutheen W. Williams											
	Name of Person Mailing Paper										
			Sig	nature of Person Mailing Pa	per						
Commi P.O. Bo	ssioner ox 1450	nt Application for Patents A 22313-1450									
Enclosed herewith is a new patent application of:											
	First Named Inventor (or application identifier): Liew, et. al.										
		Title of Invention: Beta-2 Microglobulin (B2M) and B2M Related Gene Products for the Regulation of Osteoarthritis Pathogenesis and Chondrocyte Proliferation									
Туре:		New Continuation of: Continuation-in-Part of:									
·		Divisional of:									
		which is hereby incorporated by reference in is entirety into the application filed herewith;									
and includes the following papers:											
1.	\boxtimes	Specification 67 pages (including specification, claims, abstract)/ 19 claims (11 independent)									
2.		Declaration/Power of Attorney is: Executed Unexecuted Executed copy from Parent Application NOT included, but deferred under 37 C.F.R. § 1.53(f).									
3.	\boxtimes	6 Distinct sheets of Formal Informal Drawings									
4.	\boxtimes	Application Data Sheet									
5		Preliminary Amendment.									
6.		Information Disclosure Statement Form 1449 A copy of each cited prior art reference (as necessary)									
7.		Assignment with Recordation Cover Sheet.									
8.		Priority is hereby claimed under 35 U.S.C. § 119 based upon the following application(s):									
	Country		Application Number		Date of Filing (day, month, year)						
	US		60/406,494		August 28, 2002						
9.		Priority is hereby claimed under 35 U.S.C. § 120 based upon the following application(s):									
Application Number			Dat		e of Filing (day, month, year)						
10.		Priority is hereby claimed under 35 U.S.C. § 121 based upon the following application(s):									
	Application Number			Date of Filing (day, month, year)							

NEW UNITED STATES UTILITY PATENT APPLICATION TRANSMITTAL

Atty. Docket No.: 4231/2032

The above applications from which priority is claimed are hereby incorporated in their entirety into the application filed herewith.										
11.		Priority document(s).								
12.		Microfiche Computer Program (Appendix).								
13.		Nucleotide and/or Amino Acid Sequence Submission. ☐ Computer Readable Copy. ☐ Paper Copy (identical to computer copy). ☐ Statement verifying identity of above copies.								
14.		Request for Non-Publication and Certification under 35 USC 122 (b)(2)(B)(i)								
15.	\boxtimes	Statement of Small Entity Status, Pursuant to 37 C.F.R. §1.27.								
16.	Calcu	llation of Fees:								
		FEES FOR	TOTAL CLAIMS	EXCESS CLAIMS	FEE	AMOUNT DUE				
Basic F	iling Fe	e (37 C.F.R. § 1.16(a))		<u>. </u>	,	\$750.00				
Total C	Total Claims in Excess of 20 (37 C.F.R. § 1.16(c))			0	\$18.00	0.00				
Independent Claims in Excess of 3 (37 C.F.R. § 1.16(b))			11	8	\$84.00	672.00				
Multipl	le Deper	ndent Claims (37 C.F.R. § 1.16(d))	NO \$280.00		0.00					
Subteţa	ıl - Filin	g Fee Due	 			\$1,422.00				
Reduct	ion by 5	60%, if Small Entity (37 C.F.R. §§ 1.9, 1.27, 1.28)	MULTIPLY BY 0.50			\$711.00				
TOTAL FILING FEE DUE \$711.00										
Assign	ment Re	ecordation Fee (if applicable) (37 C.F.R. § 1.21(h))	0 \$40.00							
GRAN	D TOT	AL DUE				\$711.00				
 17. PAYMENT is: included in the amount of by our enclosed check. The Commissioner is hereby authorized to charge any deficiencies in the fees to Deposit Account 16-0085, Ref. 4231/2032. not included, but deferred under 37 C.F.R. § 1.53(f). 18. All correspondence for the attached application should be directed to: 										
Kathleen M. Williams Customer Number 29933										
	111 Huntington Avenue									
Boston, MA 02199-7613										
19. Other:										
Respectfully submitted,										
Date: August 26, 2003 By: Name: Kathleen M. Williams Registration No.: 34,380										

Last updated 12/01